

# St Peters Interchange Odour and Gas Monitoring Report

Project name:	WestConnex – New M5
Licensee	CPB Contractors Pty Limited
Monitoring period	28/06/2017-3/07/2017
Website:	<a href="#">WestConnex – Explore the Route – New M5 (Beverly Hills to St Peters) – New M5 Resources</a>
Environmental Protection licence number/s:	4627
Premise addresses	New M5 St Peters Interchange, 10-16 Albert Street, St Peters NSW 2044
EPA Public Register	<a href="http://www.epa.nsw.gov.au/prpoeo/index.htm">http://www.epa.nsw.gov.au/prpoeo/index.htm</a>

**Monitoring Type: Odour and Gas Monitoring**  
**Monitoring Frequency: Daily**

Date	Monitoring Start Time	Monitoring Finish Time	Surveyor	Wind Direction	Monitoring Locations <sup>2</sup>															Comments
					OM1 <sup>1,3</sup>			OM2 <sup>1,3</sup>			OM3 <sup>1,3</sup>			OM4 <sup>1,3</sup>			OM5 <sup>1,3</sup>			
					Odour (odour units)	H <sub>2</sub> S(ppb)	NH <sub>3</sub> (ppm)	Odour (odour units)	H <sub>2</sub> S (ppb)	NH <sub>3</sub> (ppm)	Odour (odour units)	H <sub>2</sub> S (ppb)	NH <sub>3</sub> (ppm)	Odour (odour units)	H <sub>2</sub> S (ppb)	NH <sub>3</sub> (ppm)	Odour (odour units)	H <sub>2</sub> S (ppb)	NH <sub>3</sub> (ppm)	
28/06/2017	2:45:00 PM	3:50:00 PM	SEMA	N	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No detection at all sites.
29/06/2017	2:35:00 PM	3:45:00 PM	SEMA	NNW	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	No detection at all sites.
30/06/2017	2:40:00 PM	3:50:00 PM	SEMA	S	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	At location OM1 odours ranged from 2 to 4 with sulfur oxides characteristics.
1/07/2017	3:35:00 PM	4:45:00 PM	SEMA	S	2	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	At downwind location OM1 and 4 odours ranged from less than (<) 2 to 2 with sulphur oxides characteristics at OM1 and detergent/surfactant odorant characteristics at OM4.
2/07/2017	4:15:00 PM	5:45:00 PM	SEMA	NE	ND	ND	ND	4	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	At location OM2 odours ranged from 2 to some peaks of 4 with reduced sulphides, cabbage and a tinge of sulphur oxides characteristics depending on pulses of wind speed.
3/07/2017	5:30:00 PM	6:44:00 PM	SEMA	NNW	ND	ND	ND	<2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	At location OM2 odours ranged from nil detects to less than (<) 2 with a very slight tinge of sulphide characteristic when detected.

<sup>1</sup>ND = Non-detect <sup>2</sup>Refer to monitoring map attached <sup>3</sup>NT = Not Tested (monitoring location not accessible/not yet selected)

Note: Leachate odour compliance limit = 2, H<sub>2</sub>S limit of detection = 1 part per billion, NH<sub>3</sub> limit of detection = 1 part per million



- ★ Discharge Point
- ▲ Dust Gauge
- Leachate Monitoring Location
- ⊕ Odour Monitoring Location
- ⊕ Groundwater Monitoring Location
- ▨ ALF (subject to EPL No. 4627)